

Applicants

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. REGENTS1250-5	Serial No.: 09/575,847
	Applicant(s): Wachter et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: May 19, 2000	Group Art Unit: 1652

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>r</i>	AA	Elsiger, Marc Andre et al., "Structural and Spectral Response of Green Fluorescent Protein Variants to Changes in pH", <i>Biochemistry</i>, Vol. 38, Pages 5296-5301, (1999)
	AB	Jayaraman, Sujatha et al., "Mechanism and Cellular Applications of a Green Fluorescent Protein based Halide Sensor," <i>J. Biol. Chem.</i>, 2000 275(9):6047-6050
	AC	Wachter, Rebekka M. et al., "Structural Basis of Spectral Shifts in the Yellow-emission Variants of Green Fluorescent Protein," <i>Structure</i>, Vol. 6, No. 10, Pages 1267-1277 (1998)

References are of record.

EXAMINER <i>N. Shedd</i>	DATE CONSIDERED <i>10/31/02</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Gray Cary\GT6268010.1
693243-160317

N. Shedd 5/24/05

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	AB	Wachter, Rebekka M. et al. "Crystal Structure and Photodynamic Behavior of the Blue Emission Variant Y66H/Y145F of Green Fluorescent Protein," <i>Biochemistry</i>, Vol. 36, Pages 9759-9765, (1997).
NC	AE	Wachter, Rebekka M. et al. "Sensitivity of the Yellow Variant of Green Fluorescent Protein to Halides and Nitrate," <i>Current Biology</i>, Vol. 19, No. 17, Pages R628-R629, (1999).

reference of record

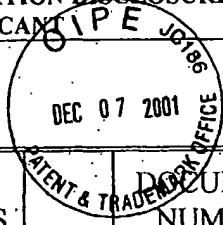
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NE	AA	Elsiger, Marc-Andre et al., "Structural and Spectral Response of Green Fluorescent Protein Variants to Changes in pH ¹¹ ," <i>Biochemistry</i> , Vol. 38, Pages 5296-5301, (1999)
NE	AB	Jayaraman, Sujatha et al., "Mechanism and Cellular Applications of a Green Fluorescent Protein-based Halide Sensor," <i>J. Biol. Chem.</i> , 2000 275(9) 6047-6050
NE	AC	Wachter, Rebekka M. et al., "Structural Basis of Spectral Shifts In the Yellow-emission Variants of Green Fluorescent Protein," <i>Structure</i> , Vol. 6, No. 10, Pages 1267-1277 (1998)

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. REGENTS 1250-5	Serial No.: 09/575,847
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant(s): Wachter et al.	Filing Date: May 19, 2000
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me	AD	Wachter, Rebekka M. et al. "Crystal Structure and Photodynamic Behavior of the Blue Emission Variant Y66H/Y145F of Green Fluorescent Protein," <i>Biochemistry</i> , Vol. 36, Pages 9759-9765, (1997)
	AE	Wachter, Rebekka M. et al., "Sensitivity of the Yellow Variant of Green Fluorescent Protein to Halides and Nitrate," <i>Current Biology</i>, Vol. 19, No. 17, Pages R628-R629,
		<i>In complete citation. No date for the reference</i>

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REGEN1250-5SERIAL NO.
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(Use several sheets if necessary)APPLICANT:
WACHTER and REMINGTONFILING DATE:
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1633

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AMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
NE	P1	5,491,084	02/13/96	Chalfie et al.	535	189	
NE	P2	5,625,048	04/29/97	Tsien et al.	536	23.4	
NE	P3	5,777,079	07/07/98	Tsien et al.	530	350	
NE	P4	5,795,737	08/18/98	Seed et al.	435	69.1	
NE	P5	5,804,387	09/08/98	Cornack et al.	435	6	

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AMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
NE	F1	WO 91/01305	02/07/91	PCT				
	F2	WO 95/07463	03/16/95	PCT				
	F3	WO 95/21191	08/10/95	PCT				
	F4	WO 96/23810	08/08/96	PCT				
	F5	WO 96/23898	08/08/96	PCT				
	F6	WO 96/27023	09/06/96	PCT				
	F7	WO 96/27675	09/12/96	PCT				
	F8	WO 97/11094	03/27/97	PCT				
NE	F9	WO 97/26333	01/17/97	PCT				

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NE	F10	WO 97/28261	08/07/97	PCT				
NE	F11	WO 97/42320	05/07/97	PCT				

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NR	D1	Baldwin et al. Biochemistry 29 5509-5915 (1990)
	D2	Chalfie et al. Science 263 802-804 (1994)
	D3	Cheng et al. Nature Biotechnology 14 606-609 (1996)
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	D9	Delagrave et al. BioTechnology 13 151-154 (1995)
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NE	D16	Inouye and Tsuji FEBS Lett 341 277-280 (1994)

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- D18 Levine et al. Comp. Biochem. Physiol. 72B 77-85 (1982)
- D19 Mitra et al. Gene 173 13-17 (1996)
- D20 Muhlad et al. Yeast 8 79-82 (1992)
- D21 Norris et al. Plant Molecular Biology 24 673-677 (1994)
- D22 Niwa, et al. Proc. Natl. Acad. Sci. 93 13617-13622 (1996)
- D23 Orino et al. Science 273 1392-1395 (1996)
- D24 Palm et al. Nature Struct. Biol. 4 361-365 (1997)
- D25 Perozzo et al. J. Biol. Chem. 263 7713-7716 (1988)
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- D27 Roth Thesis from the graduate program in Biochemistry from Rutgers, the state University of New Jersey (October 1985)
- D28 Ward in Bioluminescence and Chemiluminescence (eds DeLucia et al., 235-242 (Academic Press, NY, 1981)
- D29 Ward et al. Biochemistry 21 4535-4540 (1982)
- D30 Ward et al. Photochem Photobiol. 35 803-808 (1982)
- D31 Yang et al. Nature Biotechnology 14 1246-1251
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- D33 Zolotukhin et al., 70 4646-4654 (1996)
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- D34 S. Delagrave and D. Youvan, "Searching sequence space to engineer proteins: exponential ensemble mutagenesis," Bio Technology, 11:1548-1552 (December, 1993).

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